

(0014) Claims

1. A combination hand crank and winch for winding a strap , said hand crank
5 combination comprising:
a rotatable cylindrical lug for winding said winch, said lug including at least two holes
passing through a cylindrical wall of said lug and said at least two holes being aligned
radially,
a one piece crank including an extension arm portion passing through said two holes to
10 engage said lug,
said one piece crank including an axle portion, a handle roller mounted for rotation on
said axle portion,
said one piece crank having a bend portion to connect said extension arm portion with
said axle portion such that rotation of the hand crank will rotate the lug and wind the
15 strap onto the winch.
2. The combination hand crank and winch of claim 1 wherein said extension arm
includes an end section and wherein the end section includes a cap portion having an
enlarged diameter compared to a diameter of said extension arm.
3. The combination hand crank and winch of claim 1 wherein said holes pass
20 through opposite sides of said cylindrical wall.
4. The combination hand crank and winch of claim 1 wherein said one piece crank is
made by bending a single piece of bar stock having a diameter and wherein said holes
have a diameter larger than said bar stock diameter.

5. A hand crank for winding a strap on a winch including a rotatable cylindrical lug for winding said winch, said lug including at least two holes passing through opposite sides of a cylindrical wall of said lug and said at least two holes being aligned radially, the hand crank comprising;
- 5 a one piece crank including an extension arm portion for passing through said two holes to engage said lug,
- said one piece crank including an axle portion, said one piece crank being bent to connect said extension arm portion with said axle portion such that rotation of the hand crank will rotate the lug and wind the strap onto the winch.
- 10 6. The hand crank of claim 5 wherein said extension arm includes an end section and wherein the end section includes a cap welded to the end section and having an enlarged diameter compared to a diameter of said extension arm.
7. The combination hand crank and winch of claim 5, wherein said one piece crank is made from a single piece of bar stock.
- 15 8. A combination hand crank and winch for winding a strap , said hand crank combination comprising:
- a rotatable cylindrical lug for winding said winch, said lug including at least two holes passing through opposite sides of a cylindrical wall of said lug and said at least two holes being aligned radially,
- 20 a one piece crank including an extension arm portion passing through said two holes to engage said lug, said extension arm having a length greater than a diameter of said cylindrical wall,

said one piece crank including an axle portion, said one piece crank having a bend to connect said extension arm portion with said axle portion such that rotation of the hand crank will rotate the lug and wind the strap onto the winch, said extension arm including a cap on an end thereof to prevent slipping of the extension arm from the holes during cranking.

9. The combination hand crank and winch of claim 8, wherein said one piece crank is made from a single piece of bar stock having a diameter and wherein said holes have a diameter larger than said bar stock diameter.

10. The combination hand crank and winch of claim 8, including a handle roller mounted for rotation on said axle portion.